Honeywell

5800MICRA
Wireless Recessed Transmitter

Installation Instructions

GENERAL INFORMATION

The 5800MICRA wireless recessed transmitter is a reed switch magnetic contact transmitter that allows the transmitter to be concealed from view when installed in a window. It is intended for use only with alarm systems that support 5800 series devices. The transmitter is powered by a long-life lithium battery that is easily replaceable when a low battery is indicated by the control panel.

Programming the ID Number

Each 5800MICRA has its own unique identification code (serial number) permanently assigned during manufacturing.

The control panel is required to "enroll" the transmitter's ID during installation of the alarm system. The zones input type should be enrolled as "RF" (i.e. Supervised RF) Type (*mandatory for all UL installations*).

Refer to the control panel's installation instructions for further details.

PRELIMINARY CONSIDERATIONS

Read all of this and the next section before installing the unit.

1. Select a location for the transmitter on the frame of the window.
   Do not use on metal frame doors or windows.

   5800MICRA TRANSMITTER

   The 5800MICRA transmitter will require a 3/4" diameter hole (using a 3/4" Forstner bit) drilled into the edge of the window frame no more than 11/32" deep. Its accompanying magnet will need a 3/4" diameter hole drilled in the side of the window sash, no more than 11/32" deep. BEFORE DRILLING ANY HOLES, SEE ITEM 2 BELOW AND MOUNTING SECTION ON PAGE 2.

   FOR VINYL SLIDING WINDOWS the preferred direction of mounting is vertical. **FOR HUNG WINDOWS** the 5800MICRA must be mounted horizontally in the window sill with the accompanying magnet mounted in the lower window sash. (see Step 1 - Measure & Drill in Figure 1)

2. Before drilling any holes, tape the transmitter and magnet in their approximate locations (with battery installed and unit together as described under BATTERY INSTALLATION / REPLACEMENT (*see Page 2*) and conduct Go/No Go tests (*see control's instructions*) to verify adequate signal strength. Reorient or relocate the transmitter if necessary.

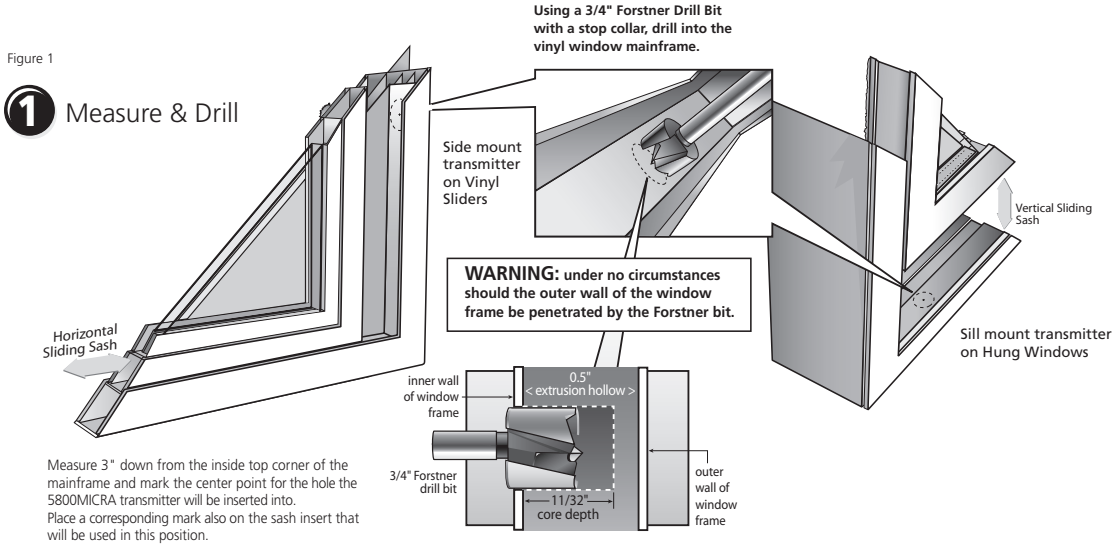
   Make sure that no more than a 1/2" gap will be present between the faces of the transmitter and magnet cases when they are installed and set. **Also make sure the 'iON' graphic on the transmitter and magnet are aligned with each other as per Step 3 - Sash Magnet Placement in Figure 1.**

   When installed, an alarm signal must be obtained before a clear space of 2" is reached as the window is opened.

⚠ WARNING:
Under no circumstances should the outer wall of the window frame be penetrated by the Forstner bit.

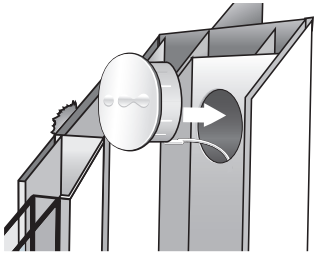
Figure 1

1 Measure & Drill



Measure 3" down from the inside top corner of the mainframe and mark the center point for the hole the 5800MICRA transmitter will be inserted into.
Place a corresponding mark also on the sash insert that will be used in this position.

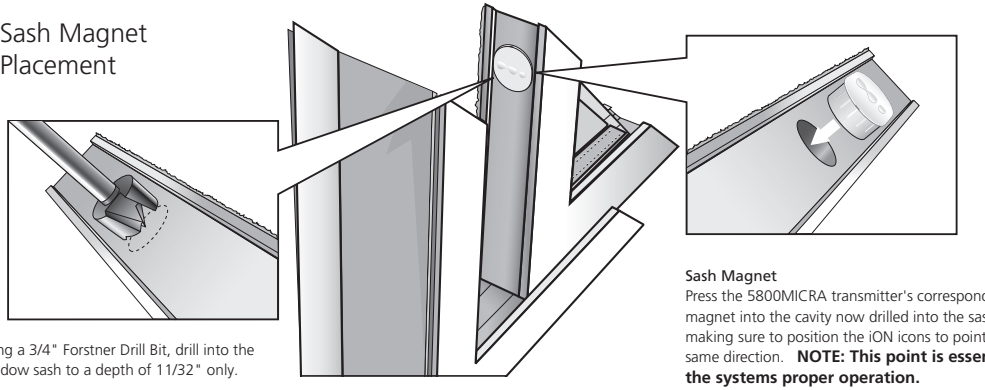
2 Place and Set



Insert the 5800MICRA's antenna into the extrusion hollow then press the transmitter body into the cored opening. Insure that the antenna moves freely in the window channel during installation.

NOTE: It is essential to the systems operation that the positioning of the iON icon on the transmitter point in the same direction as its corresponding sash magnet.

3 Sash Magnet Placement



Using a 3/4" Forstner Drill Bit, drill into the window sash to a depth of 11/32" only.

Sash Magnet
Press the 5800MICRA transmitter's corresponding magnet into the cavity now drilled into the sash, making sure to position the iON icons to point in the same direction. **NOTE: This point is essential to the systems proper operation.**

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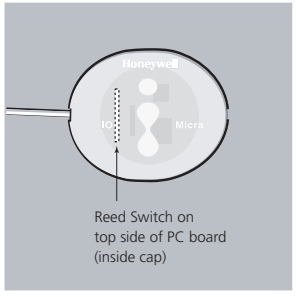
⚠ CAUTION: Before drilling any holes, make sure that successful Go/No Go transmission reception tests have been conducted as called for in the 5800MICRA transmitter section.

⚠ CAUTION: BATTERY CAUTION: Risk of fire, explosion and burns. Do not recharge, disassemble, heat above 212°F (100°C) or incinerate. Dispose of used batteries promptly. Keep away from children.



Reed Switch Positioning - insure that logos on switch and magnet are aligned identically.

MOUNTING (*See Figure 1*)

1. Mark the selected location for the transmitter on the frame of the window.
2. Mark the location for the magnet on the window sash, directly opposite the transmitter location. Before drilling any holes, make sure that the successful Go/No Go reception tests have been conducted as called for in the 5800 MICRA transmitter section. (*see Page 1*)
3. Drill holes at the locations marked, for the transmitter (3/4" diameter, no more than 11/32" deep) and magnet (3/4" diameter, no more than 11/32" deep using a 3/4 Forstner bit).
4. Insert the transmitter and magnet cases into their respective holes so that their caps are flush with the surface. Make sure the antenna goes into the cavity as straight as possible.

DO NOT hammer the transmitter or the magnet in place with hard blows. Press them into their respective holes by hand.

The 5800MICRA uses a santaprene case that, once placed, is designed to self-seal in the mounting hole. However, if desired, a thin bead of silicon may be applied for additional moisture protection.

Figure 2

SPECIFICATIONS

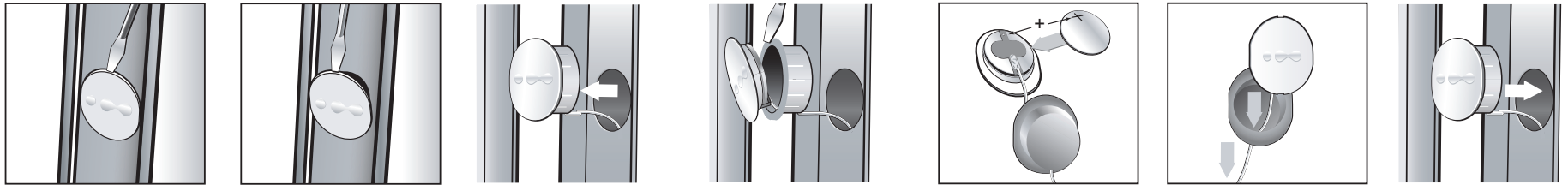
		5800MICRA transmitters
Dimensions	Dowel Package	0.750" diameter (3/4")
	Additional Info	Dowel Lid 0.850" diameter x 0.060" thick
	Wire Antenna	11" x 0.050" diameter (24 gauge)
	Fits Cavity Depth	0.330" depth (11/32")
Power Source		3.0V Lithium Coin Cell Battery CR1620
Transmit Range		Typically >500 ft. open air
Temperature Range		10° to 120° F (-12° to 49° C)
Operating Gap		0.5"
Compatibility	Windows	All Vinyl Window Types, Wood Casement, Awning,
		Double-Hung and Access
IC number		4488A-5800M
FCC Identification		QN35800M

FCC Notice

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions:
1. This device may not cause harmful interference.
2. This device must accept any interference that may be received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the Honeywell Corporation can void the user's authority to operate the equipment.

Figure 3



TO THE INSTALLER

Regular maintenance and inspection (at least annually) by the installer and frequent testing by the user are vital to continuous satisfactory operation of any alarm system. The installer should assume the responsibility of developing and offering a regular maintenance program to the user, as well as acquainting the user with the proper operation and limitations of the alarm system and its component parts. Recommendations must be included for a specific program of frequent testing (at least weekly) to insure the system's operation at all times.

REFER TO THE INSTALLATION INSTRUCTIONS FOR THE RECEIVER / CONTROL WITH WHICH THIS DEVICE IS USED, FOR WARRANTY INFORMATION AND FOR DETAILS REGARDING LIMITATIONS OF THE ENTIRE ALARM SYSTEM.

BATTERY INSTALLATION & REPLACEMENT

1. Remove the transmitter from the window by inserting the flat blade of a small screwdriver into the pry-slot on the cap end and twisting slightly counter-clockwise. The transmitter must be removed from the window completely in order to refit the transmitter properly back into the hole once the internal battery has been replaced.
2. Using the flat blade of a small screwdriver in the pry-slot again, separate the white cap from the orange base with a slight counter-clockwise twist. Once open, slide the cap with the transmitter PC board assembly apart from the orange base. Pull the antenna through the hole in the orange base just enough to allow the battery to be replaced. Do not pull the antenna completely out of the orange base.
3. Remove the old battery from it's battery holder on the bottom of the PC board.
4. Observe correct polarity (*see Figure 3 Step 3 & 4*) and insert the fresh battery into the battery holder (positive polarity indicator is shown on the battery holder).
5. Slide the cap with the PC board assembly back into its orange base by gently pulling on the antenna, easing the transmitter cap into place.
6. Snap the transmitter cap back onto the orange base, locking it into place.
7. Placing the antenna into the cavity first, reinsert the transmitter into its original mounting hole in the window. Be sure to point the 'iON' graphic on the cap in the same direction as the 'iON' graphic on the accompanying sash-mounted magnet.

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